# WHIRLPOOL AUSTRALASIA

# CONSUMER SERVICES

## SERVICE MANUAL

### GAS COOKTOP

| Model | Version |
|---|---|
| 6AKM157/IX/2 | 8571 157 53040 |
| 6AKM157/IX/3 | 8571 157 53060 |
| 6AKM157/WH/2 | 8571 157 53050 |
| 6AKM157/WH/3 | 8571 157 53070 |

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This documentation is intended only for qualified technicians who possess the required qualifications and are aware of the regulatory requirements applicable to servicing electrical appliances.

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# TECHNICAL DATA

| Burner | Gas Type | Operating Pressure kPa | Rating | | Gas Jet (Nozzle) | Output Power | |
|---|---|---|---|---|---|---|---|
| | | | g/h | l/h | Diameter 1/100mm | kW | MJ/h |
| Small | Propane | 2.75 | 65 | - | 54 | 0.92 | 3.3 |
| | N.G. | 1.00 | - | 102 | 90 | 1.00 | 3.6 |
| Medium | Propane | 2.75 | 119 | - | 70 | 1.58 | 5.7 |
| | N.G. | 1.00 | - | 188 | 118 | 1.67 | 6.0 |
| Wok | Propane | 2.75 | 278 | - | 102 | 3.81 | 13.7 |
| | N.G. | 1.00 | - | 375 | 165 | 3.64 | 13.1 |

## GAS LEAKS

After performing any maintenance or service operation on the cooktop, the cooktop must be checked to ensure that there are no gas leaks.

## GAS JET REPLACEMENT

WARNING : Servicing must be carried out only by authorised personnel.

This appliance is approved by the Australian Gas Association for use with either natural gas or propane gas. Ensure that appliance is suitable for the available gas supply.

To replace a gas jet, the following procedure applies:

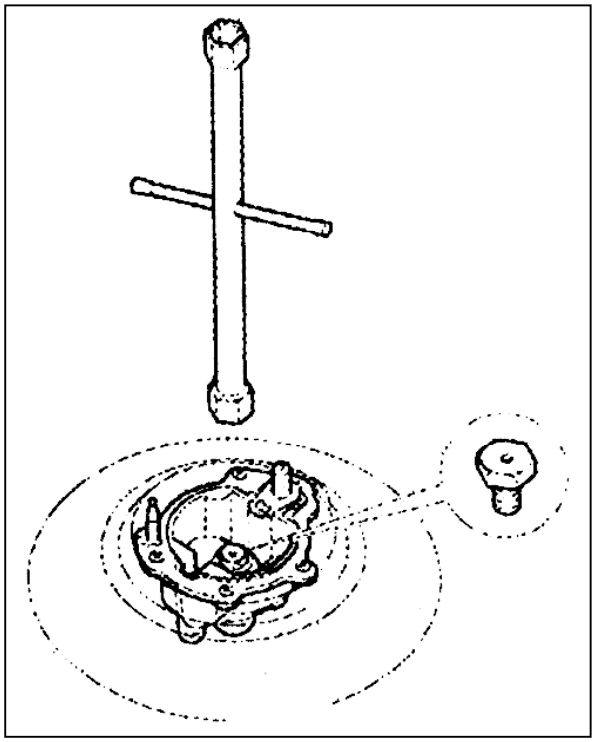


FIGURE 1

1. Turn off the gas cock adjacent to the cooktop.
2. Remove all the burners and unscrew the jets using a 7mm socket. See Figure 1.
3. Reinstall the jet appropriate to the gas supply.
6. Check the cooktop to ensure that there are no gas leaks

### FLAME ADJUSTMENT

#### GAS VALVES

The gas valves fitted to this cooktop are suitable for both propane gas and natural gas.

Adjust the minimum flame for use with natural gas as follows:

1. Operate the burner and set the control knob to minimum flame.

2. Remove the control knob.

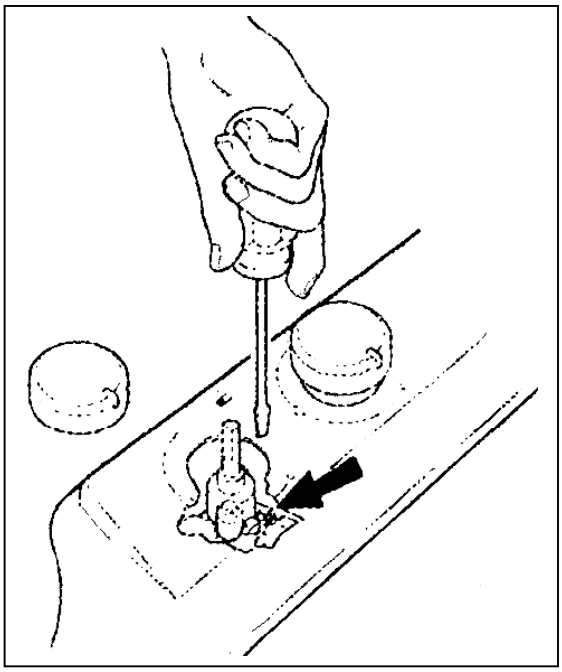


FIGURE 2

3. Using an appropriate sized screwdriver, turn the adjustment screw in the base of the gas valve (See Figure 2). until the flame bead is approximately 4mm long. Check and ensure that the flame does not extinguish when adjusting the control knob quickly from maximum to minimum flame.

**<u>Note</u> : For cooktops operating on propane gas, the minimum flame adjustment screw must be fully screwed in (fully clockwise).**

4. Check the cooktop to ensure that there are no gas leaks

## MAINTENANCE

#### HOB REMOVAL

To remove the hob from the base, remove all the screws passing through the hob into the top of the burner bases and lift the hob clear of the cooktop base.

To remove the base from the benchtop, isolate and disconnect the gas and electrical supply and release the attachment clamps under the benchtop.

**REPLACEMENT OF GAS VALVES**

To replace gas valves, remove the hob, remove the two screws securing the manifold to the base and release the compression joints on the output side of the gas valves.

Remove the screws clamping the gas valve to the manifold.

It is recommended that the manifold to gas valve gaskets be replaced whenever the valve is disturbed.

Reverse the procedure for reassembly. Check the cooktop to ensure that there are no gas leaks.

**GREASING THE GAS VALVES**

If the valves become difficult to operate, they should be greased as follows:

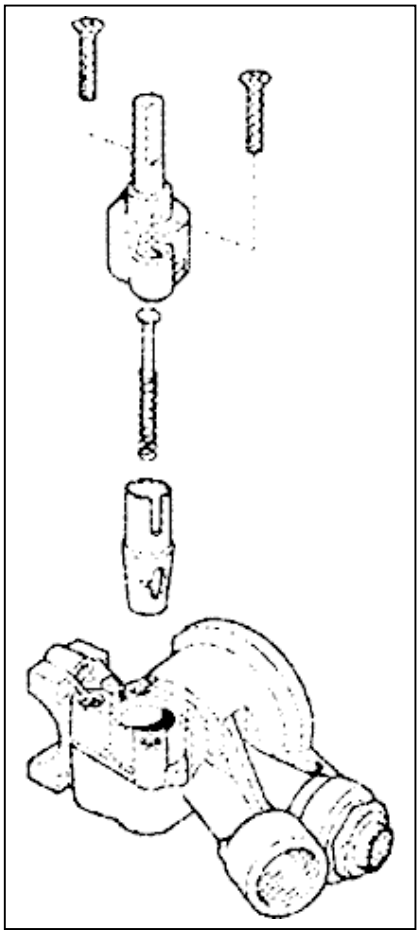


FIGURE 3

1. Dismantle the valve body by removing the two screws located in the body of the valve as shown in Figure 3.
2. Clean the cone and valve body with a solvent soaked cloth. Lightly grease the cone with the appropriate grease
3. Insert the cone and operate the valve several times. Remove the cone again and wipe away any excess grease making certain that all ports are free from obstruction.
4. Reassemble and remount the valve.
6. Check the cooktop to ensure that there are no gas leaks

IGNITION COMPONENT REPLACEMENT

During disassembly, take note of the order of assembly of the components.

1. Remove the hob. (See Figures 1 and 4)

2. The ignition pack can be replaced by freeing the two tabs securing it to the base. All electrical connections are push on.

3. The spark plug for the wok burner is attached to the hob by a circlip in the base of the spark plug. Remove this circlip and withdraw the spark plug and its connecting lead through the top of the burner base.

   Replace by reversing this procedure.

4. The spark plugs for the small and medium burners are secured by a single screw in the burner base. Remove this screw and lift the spark plug clear of the burner base.

   Replace by reversing this procedure.

5. Reassemble the cooktop ensuring that all wiring is located in its correct position.

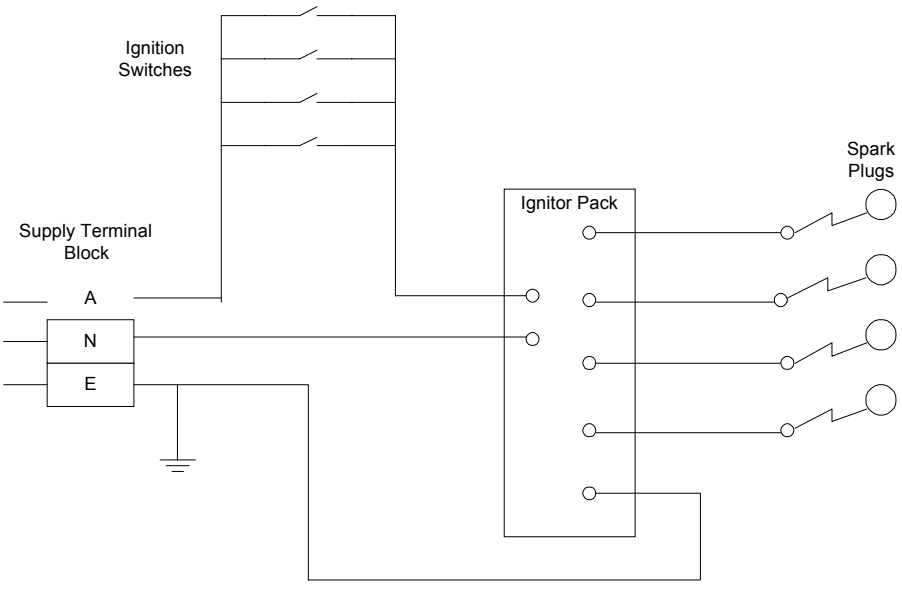
6. Test and check all cooktop operations. Check the cooktop to ensure that there are no gas leaks.

## BURNER BASE REMOVAL

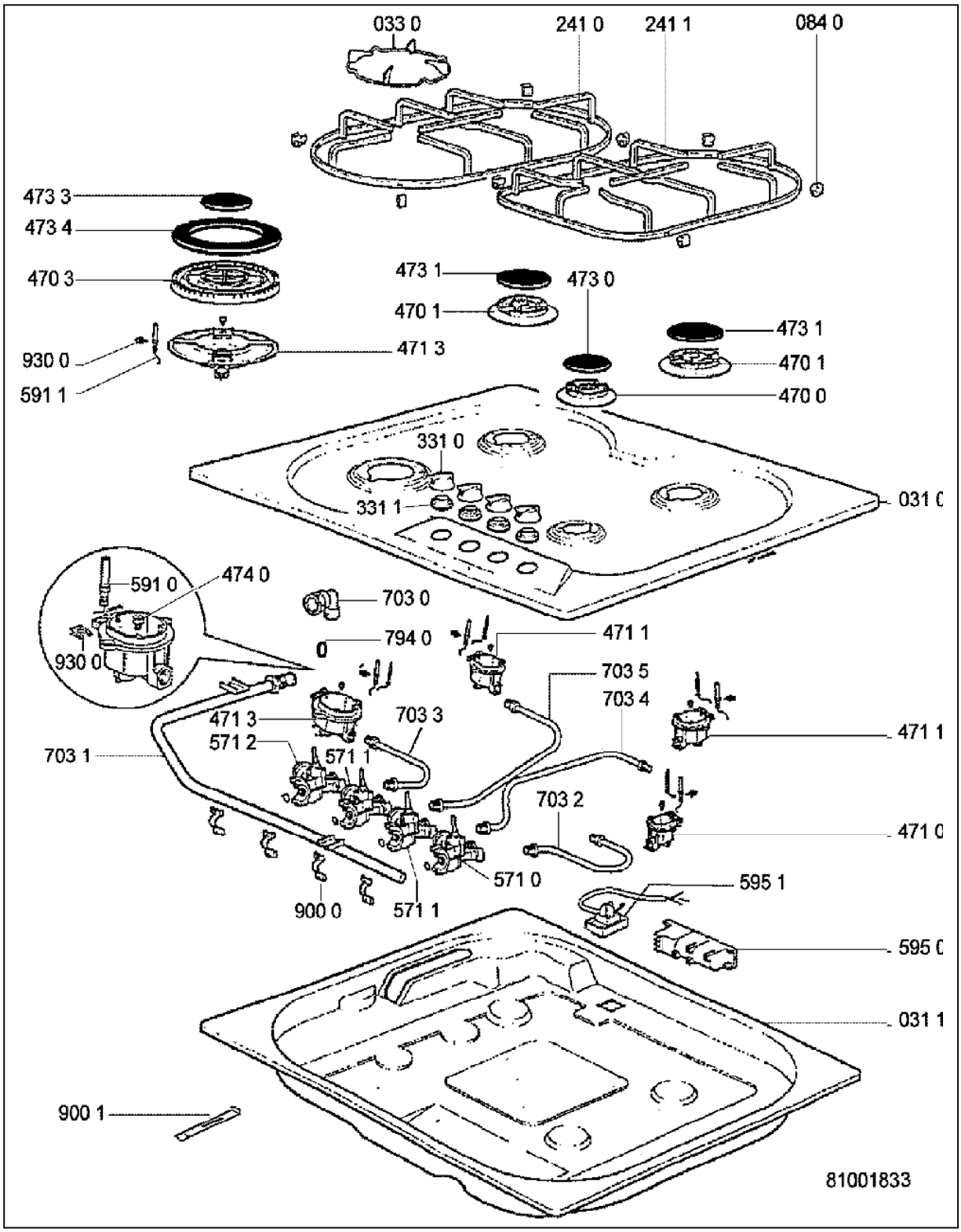
Isolate the gas and electrical supply and remove the cooktop from the benchtop. Remove the hob, disconnect the compression fittings from the burner base and remove the screw(s) passing through the cooktop base into the bottom of the burner bases.

Reverse this procedure for reinstallation of the burner base.

## CIRCUIT DIAGRAM



## EXPLODED VIEW - COOKTOP



## SPARE PARTS LIST

| Item | Part No | | Description |
|---|---|---|---|
| | 6AKM157/IX/2<br>6AKM157/WH/2 | AKM157/IX/3<br>AKM157/WH/3 | |
| 031 0 | 4812 442 69097 | 4812 442 69097 | Hob, stainless steel |
| 031 0 | 4812 442 69098 | 4812 442 69098 | Hob, white |
| 031 1 | 4812 442 69096 | 4812 442 69096 | Hob bottom |
| 033 0 | 4812 458 58206 | 4812 458 58206 | Grid for hob adaptor |
| 084 0 | 4819 905 00768 | 4819 905 00768 | Damper for grid |
| 241 0 | 4812 458 58135 | 4812 458 58135 | Grid left/right |
| 241 1 | 4812 458 58134 | 4812 458 58134 | Grid right |
| 331 0 | 4812 412 58851 | 4812 412 58851 | Knob, black |
| 331 0 | 4812 412 58852 | 4812 412 58852 | Knob, white |
| 331 1 | 4812 532 38007 | 4812 532 38007 | Gasket |
| 470 0 | 4812 360 68286 | 4812 360 68286 | Spreader, burner small |
| 470 1 | 4812 360 68287 | 4812 360 68287 | Spreader, burner medium |
| 470 3 | 4812 360 68285 | 4812 360 68285 | Spreader, burner, ultra rapid |
| 471 0 | 4812 360 78083 | 4812 360 78078 | Burner, small |
| 471 1 | 4812 360 78084 | 4812 360 78079 | Burner, medium |
| 471 3 | 4812 360 68092 | 4812 360 78077 | Burner, ultra rapid |
| 473 0 | 4812 360 78081 | 4812 360 78081 | Cover, small flame spreader |
| 473 1 | 4812 360 68288 | 4812 360 68288 | Cover, medium flame spreader |
| 473 3 | 4812 360 68094 | 4812 360 68094 | Centre cover, ultra rapid flame spreader |
| 473 4 | 4812 360 68095 | 4812 360 68095 | Outer cover, ultra rapid flame spreader |
| 474 0 | 4812 310 38567 | Not applicable | Set of nozzles G20 (Natural gas) |
| 474 0 | Not applicable | 4812 310 38571 | Set of nozzles G31 (Propane gas) |
| 571 0 | 4812 360 58224 | 4812 360 58224 | Tap small 0.27 |
| 571 1 | 4812 360 58225 | 4812 360 58225 | Tap medium 0.34 |
| 571 2 | 4812 360 58226 | 4812 360 58226 | Tap ultra rapid 0.70 |
| 591 0 | 4812 252 68022 | 4812 252 68022 | Spark plug, small & medium |
| 591 1 | 4812 252 68007 | 4812 252 68007 | Spark plug, ultra rapid burner |
| 595 0 | 4819 905 00893 | 4819 905 00893 | Generator, ignition |
| 595 1 | 4812 140 38001 | 4812 140 38001 | Connection block |
| 703 0 | 4819 526 48423 | 4819 526 48423 | Coupling piece (Elbow) |
| 703 1 | 4812 530 48205 | 4812 530 48205 | Manifold |
| 703 2 | 4812 530 48275 | 4812 530 48275 | Tube front, right |
| 703 3 | 4812 530 48276 | 4812 530 48276 | Tube front, left |
| 703 4 | 4812 530 29051 | 4812 530 29051 | Tube back, right |
| 703 5 | 4812 530 29052 | 4812 530 29052 | Tube back, left |
| 794 0 | 4819 532 68754 | 4819 532 68754 | Gasket |
| 900 0 | 4812 404 38569 | 4812 404 38569 | Tap to manifold clamp |
| 900 1 | 4812 404 38534 | 4812 404 38534 | Fastener |
| 930 0 | 4812 404 48662 | 4812 404 48662 | Fastener, spark plug |